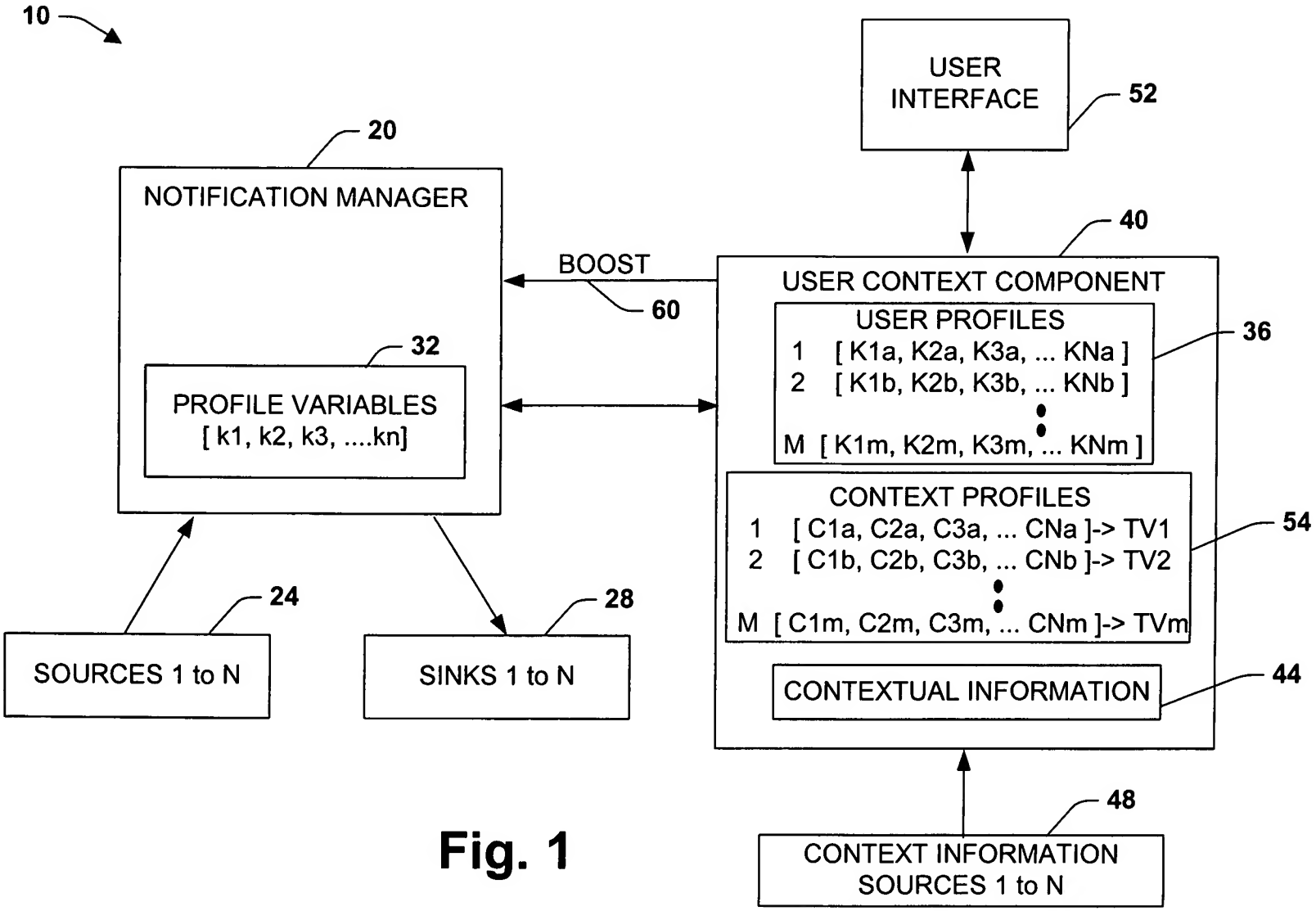
10
USER INTERFACE
52
20
NOTIFICATION MANAGER
40
BOOST
60
USER CONTEXT COMPONENT
USER PROFILES
1 [K1a, K2a, K3a, ... KNa]
2 [K1b, K2b, K3b, ... KNb]
M [K1m, K2m, K3m, ... KNm]
36
32
PROFILE VARIABLES
[k1, k2, k3, ...kn]
CONTEXT PROFILES
1 [C1a, C2a, C3a, ... CNa]-> TV1
2 [C1b, C2b, C3b, ... CNb]-> TV2
M [C1m, C2m, C3m, ... CNm]-> TVm
54
24
28
SOURCES 1 to N
SINKS 1 to N
CONTEXTUAL INFORMATION
44
48
CONTEXT INFORMATION SOURCES 1 to N

Fig. 1

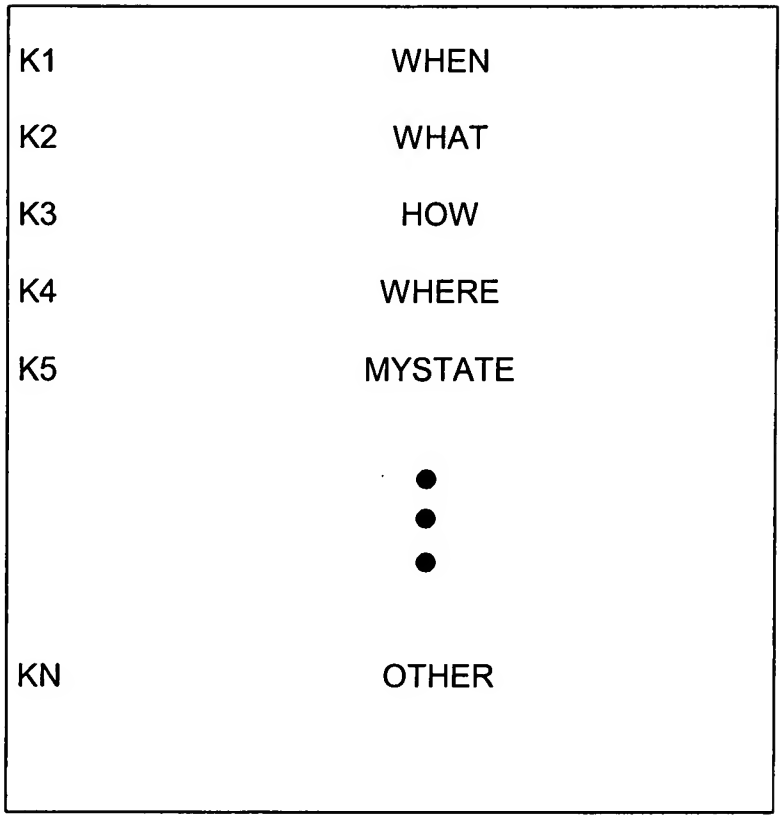

Fig. 2

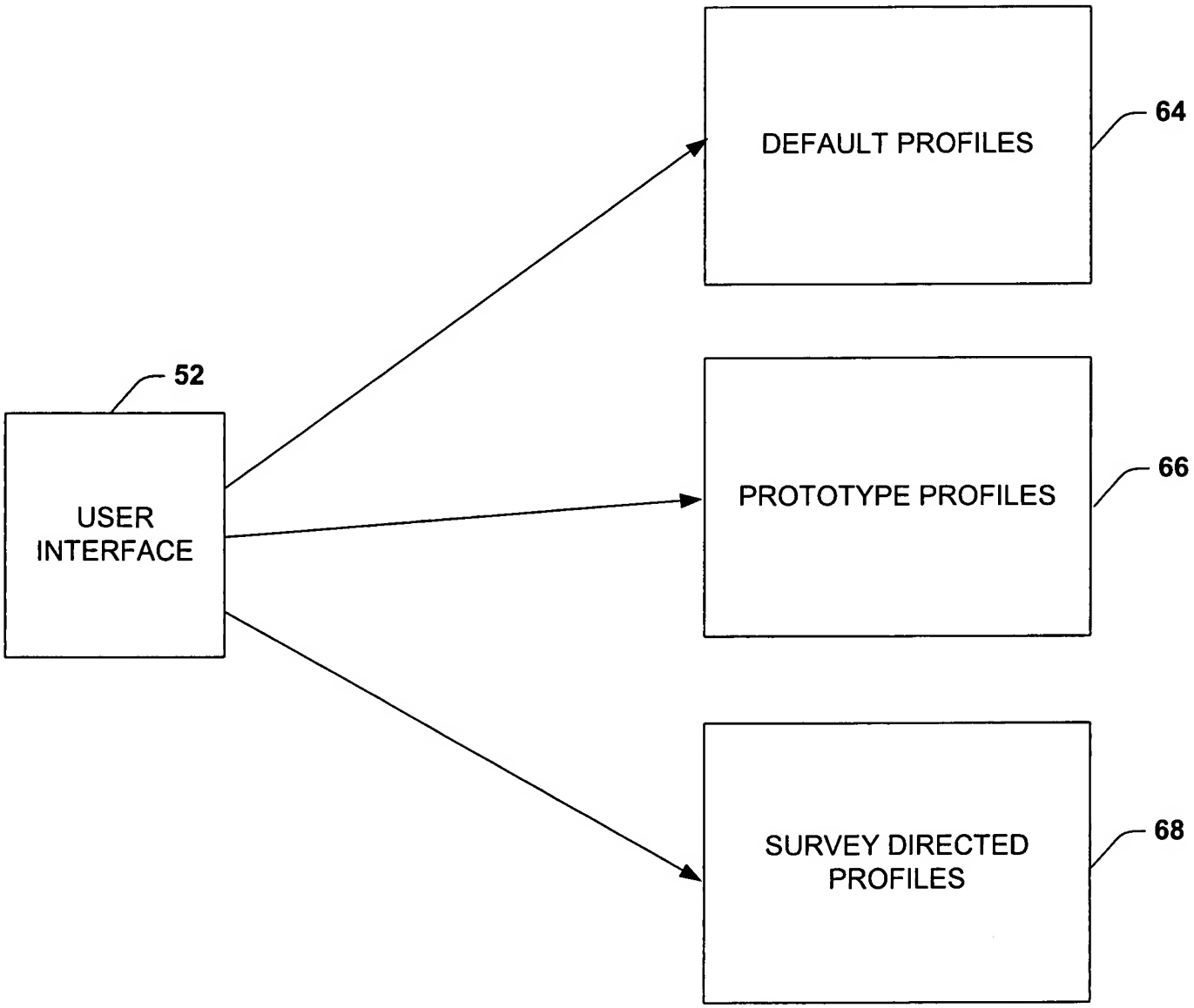
DEFAULT PROFILES
64
52
USER INTERFACE
PROTOTYPE PROFILES
66
SURVEY DIRECTED PROFILES
68

Fig. 3

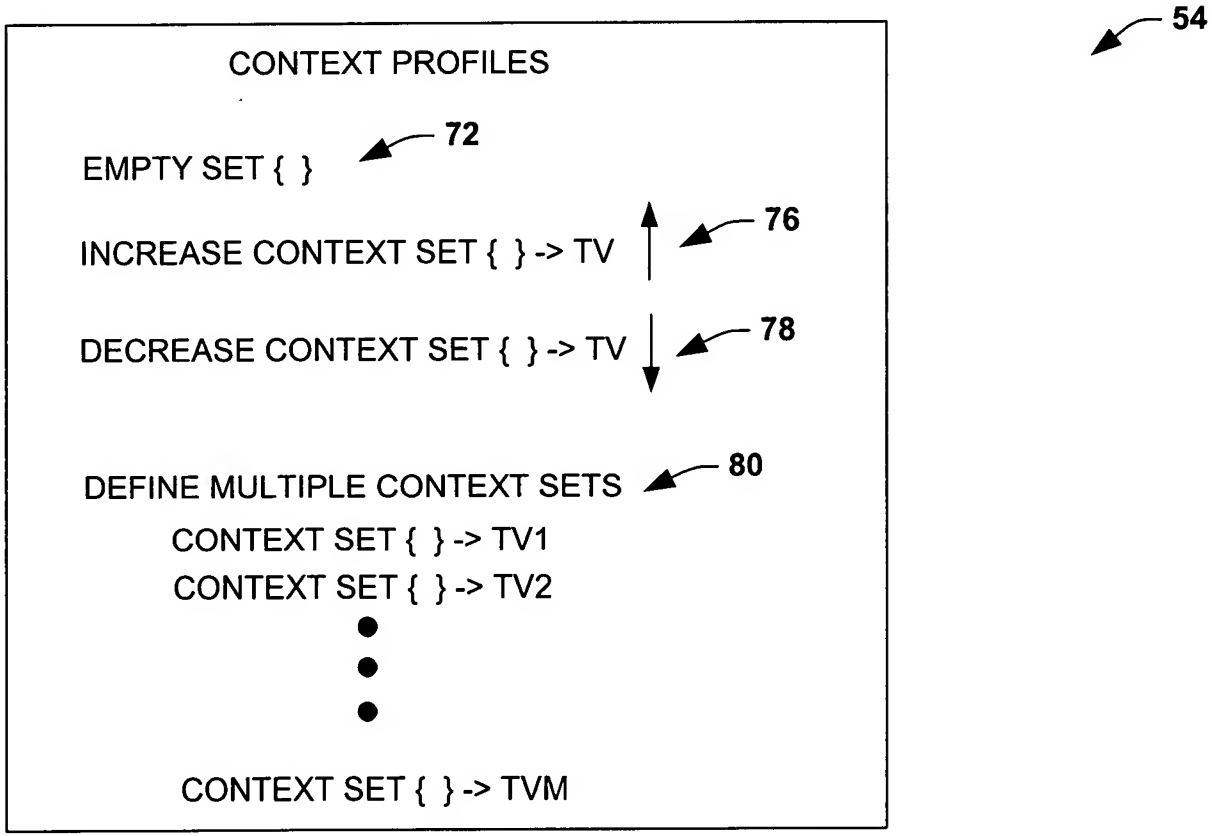
54
CONTEXT PROFILES
72
EMPTY SET { }
INCREASE CONTEXT SET { } -> TV
76
DECREASE CONTEXT SET { } -> TV
78
DEFINE MULTIPLE CONTEXT SETS
80
CONTEXT SET { } -> TV1
CONTEXT SET { } -> TV2
CONTEXT SET { } -> TVM

Fig. 4

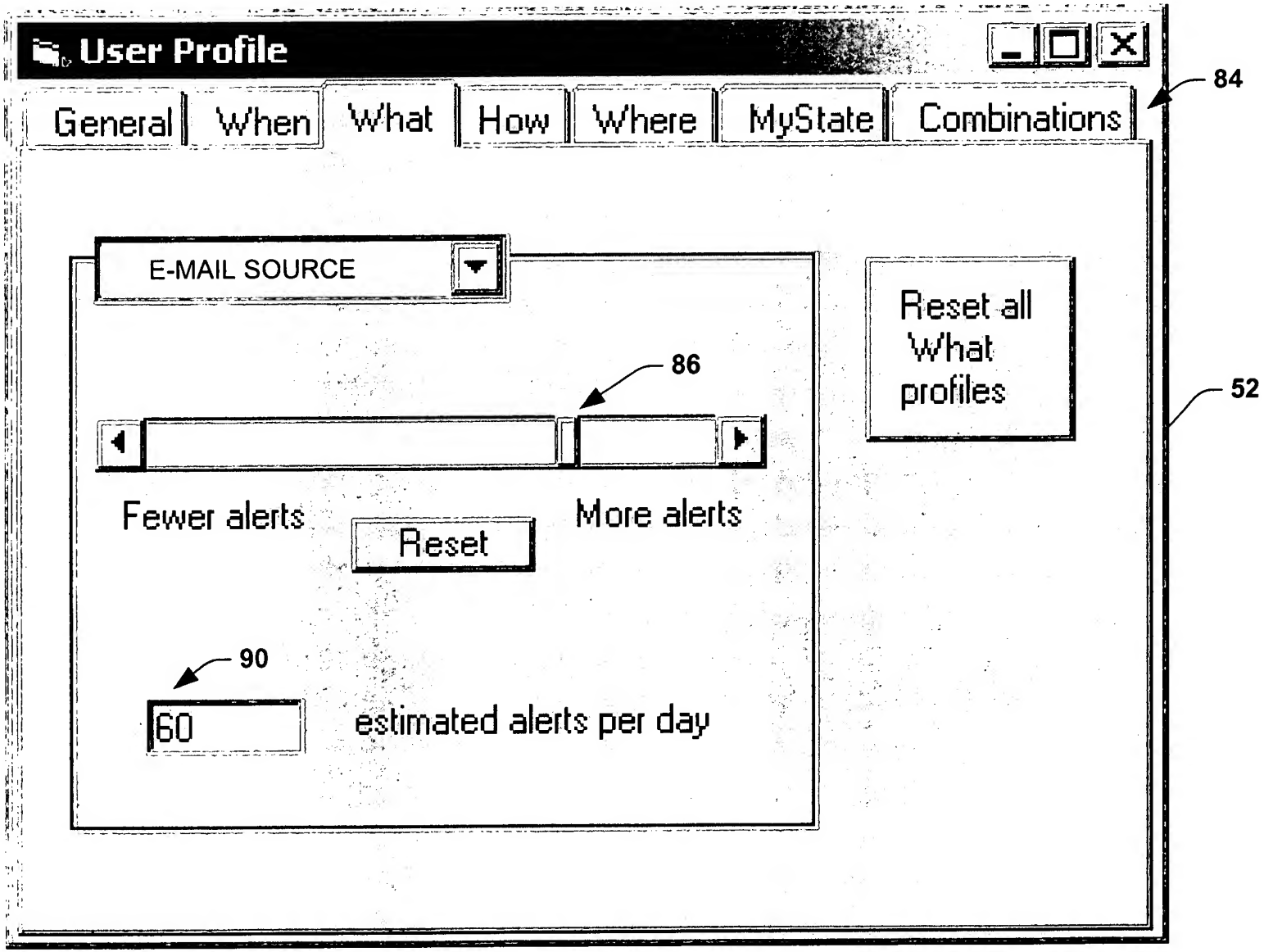
User Profile
General
When
What
How
Where
MyState
Combinations
84
E-MAIL SOURCE
86
Reset all What profiles
52
Fewer alerts
Reset
More alerts
90
60
estimated alerts per day

Fig. 5

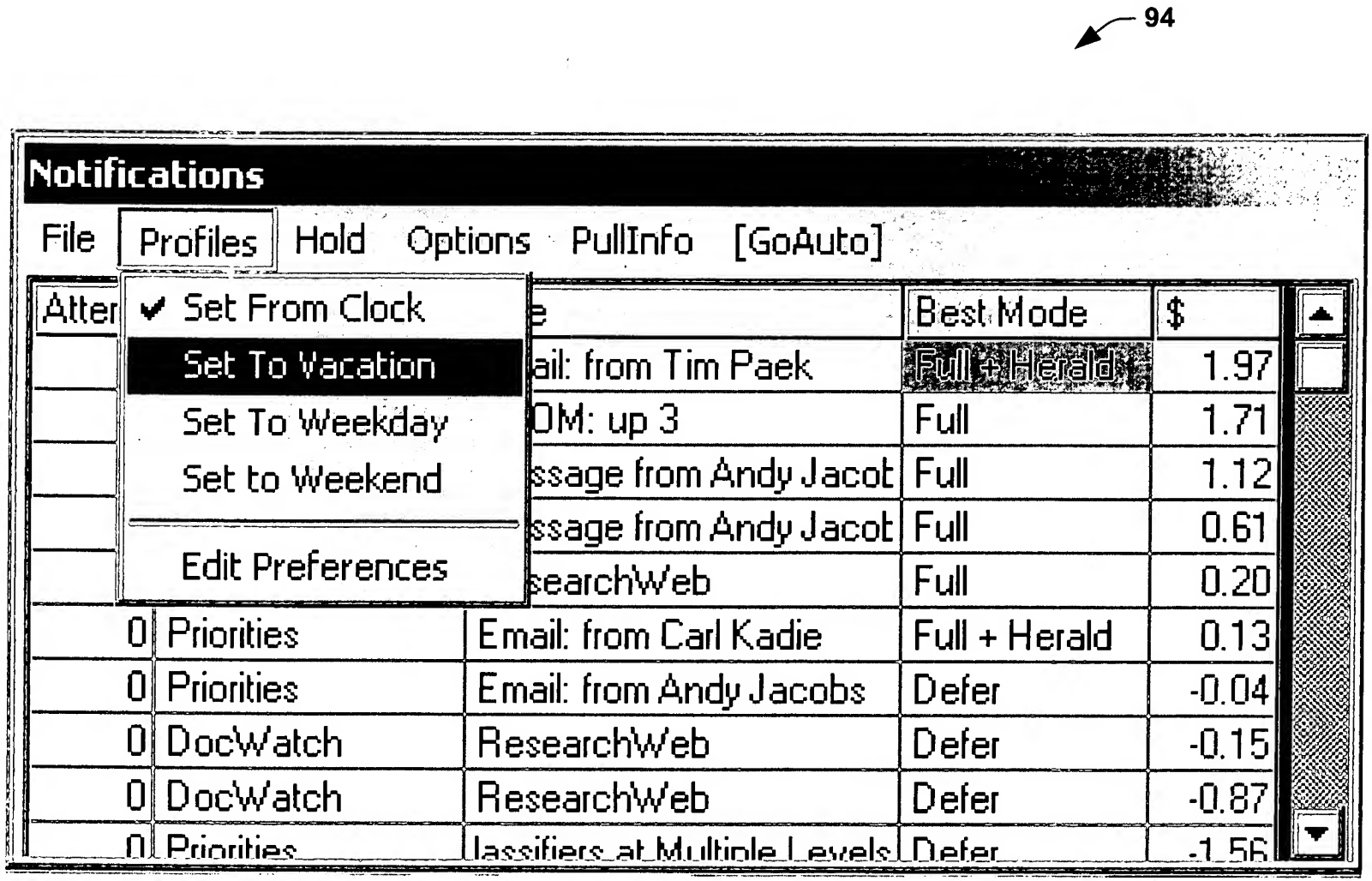
94
Notifications
File
Profiles
Hold
Options
PullInfo
[GoAuto]
Set From Clock
Set To Vacation
Set To Weekday
Set to Weekend
Edit Preferences
Best Mode
$
ail: from Tim Paek
Full + Herald
1.97
DM: up 3
Full
1.71
ssage from Andy Jacot
Full
1.12
ssage from Andy Jacot
Full
0.61
searchWeb
Full
0.20
0 Priorities
Email: from Carl Kadie
Full + Herald
0.13
0 Priorities
Email: from Andy Jacobs
Defer
-0.04
0 DocWatch
ResearchWeb
Defer
-0.15
0 DocWatch
ResearchWeb
Defer
-0.87
0 Priorities
lassifiers at Multiple Levels
Defer
-1.56

Fig. 6

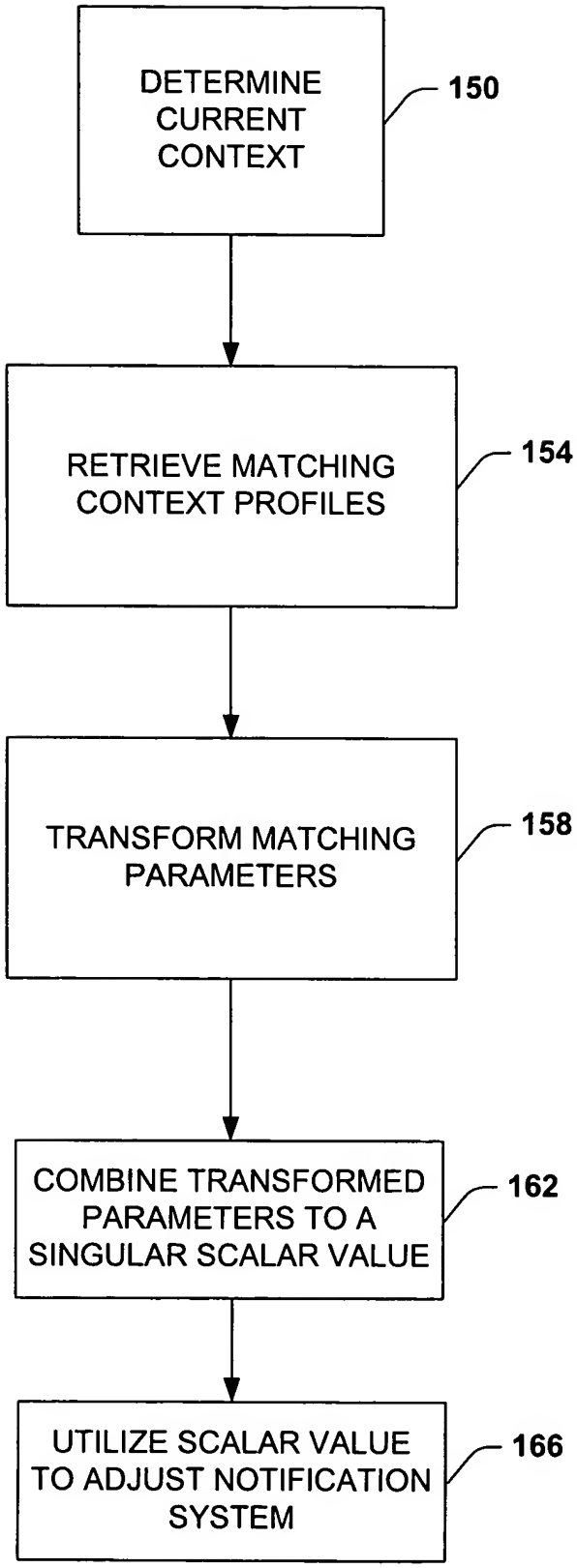
DETERMINE CURRENT CONTEXT
150
RETRIEVE MATCHING CONTEXT PROFILES
154
TRANSFORM MATCHING PARAMETERS
158
COMBINE TRANSFORMED PARAMETERS TO A SINGULAR SCALAR VALUE
162
UTILIZE SCALAR VALUE TO ADJUST NOTIFICATION SYSTEM
166

Fig. 7

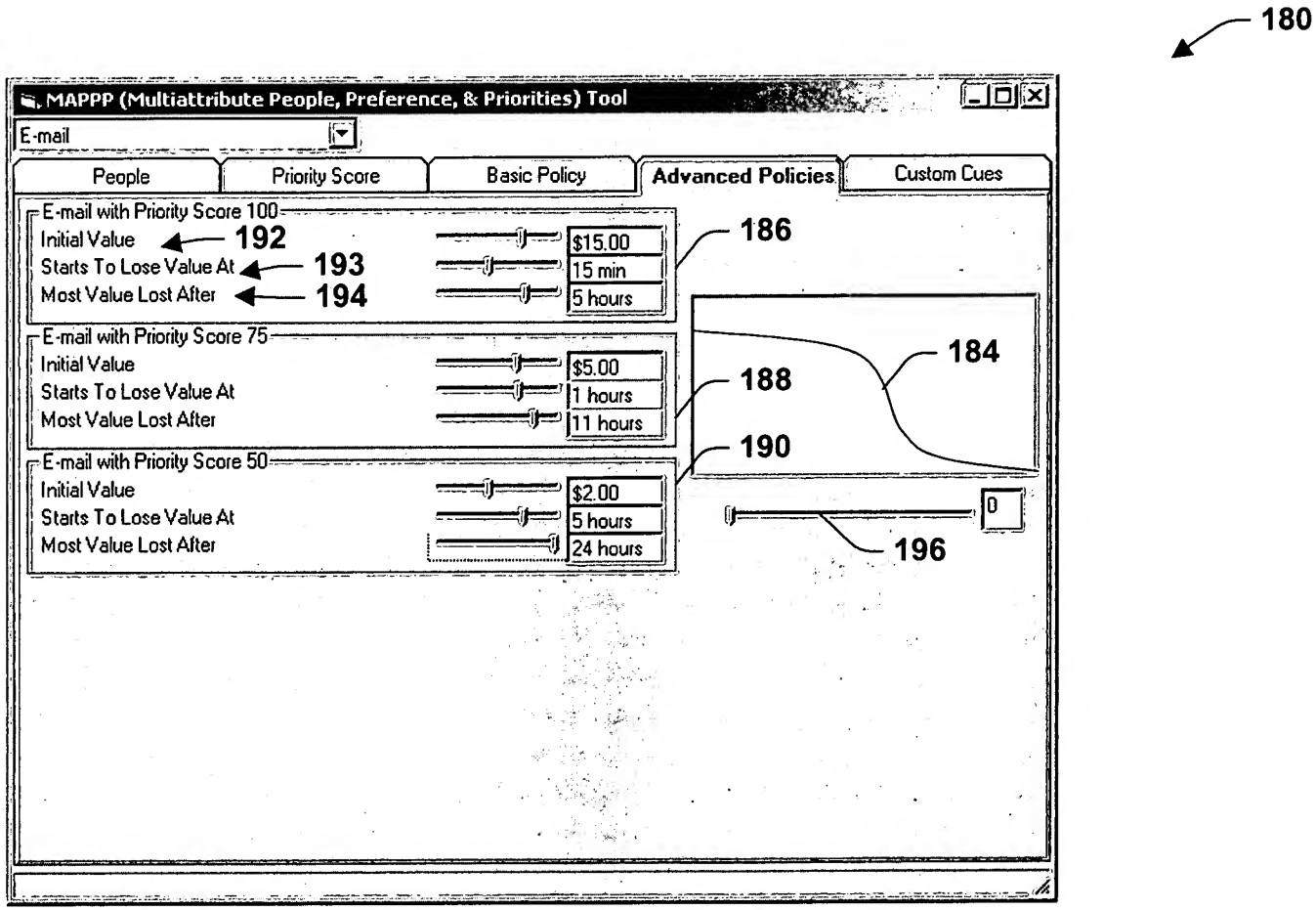
180
MAPPP (Multiattribute People, Preference, & Priorities) Tool
E-mail
People
Priority Score
Basic Policy
Advanced Policies
Custom Cues
E-mail with Priority Score 100
Initial Value
Starts To Lose Value At
Most Value Lost After
$15.00
15 min
5 hours
192
193
194
186
E-mail with Priority Score 75
Initial Value
Starts To Lose Value At
Most Value Lost After
$5.00
1 hours
11 hours
184
188
190
E-mail with Priority Score 50
Initial Value
Starts To Lose Value At
Most Value Lost After
$2.00
5 hours
24 hours
0
196

Fig. 8

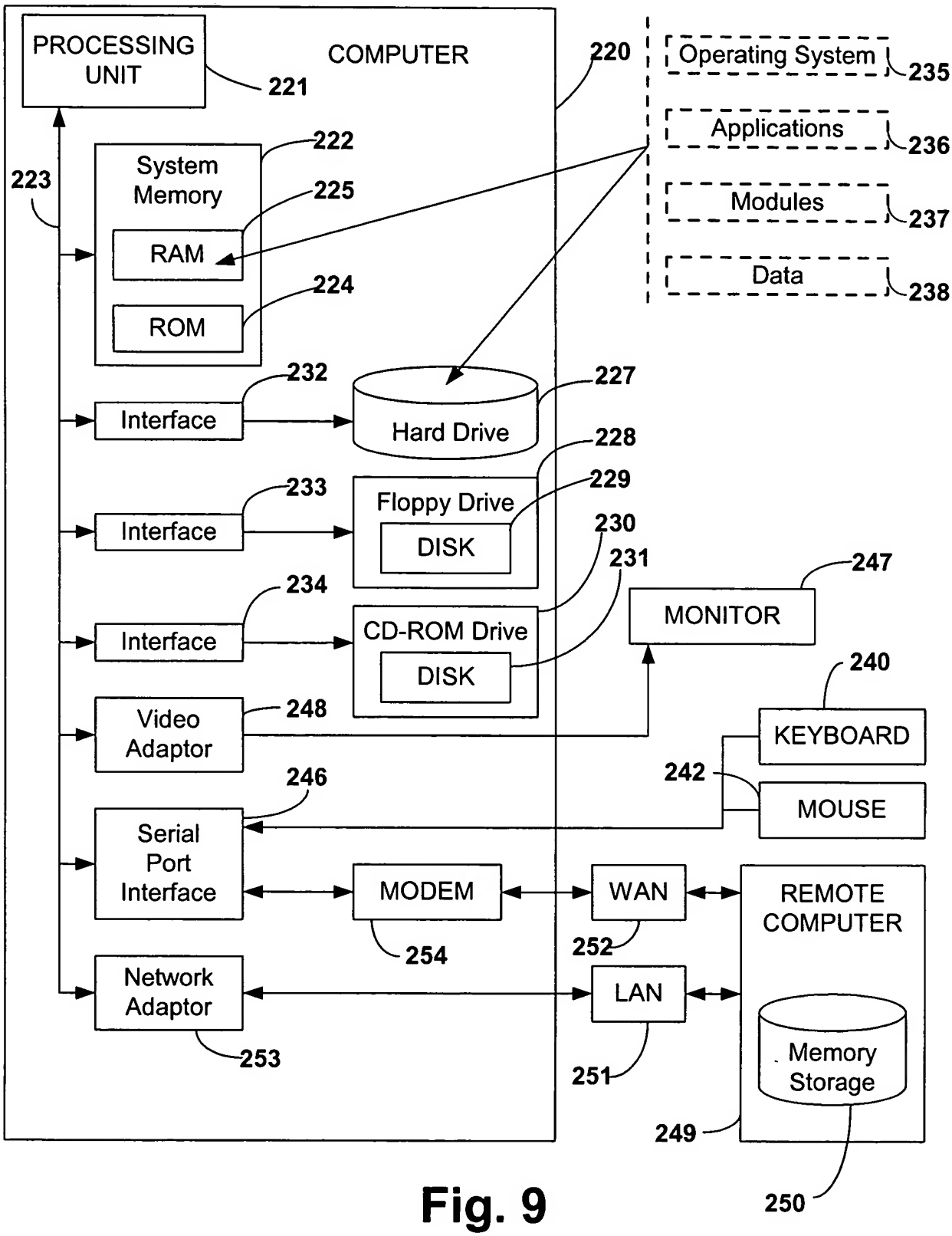
PROCESSING UNIT
221
COMPUTER
220
Operating System
235
Applications
236
Modules
237
Data
238
222
System Memory
223
225
RAM
224
ROM
232
Interface
227
Hard Drive
228
233
Interface
Floppy Drive
229
DISK
230
231
234
Interface
CD-ROM Drive
DISK
247
MONITOR
240
248
Video Adaptor
KEYBOARD
242
MOUSE
246
Serial Port Interface
MODEM
WAN
REMOTE COMPUTER
254
252
Network Adaptor
LAN
Memory Storage
253
251
249
250

Fig. 9